Docket No. 22981/7-CIP

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT:

Tucker et al.

Conf. No.:

4386

Application No.:

10/807,800

Group Art Unit:

1634

FILED:

March 24, 2004

Examiner:

Not Yet Assigned

FOR:

Nitric Oxide Donating Derivatives for the Treatment of Cardiovascular

Disorders

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

#### **CERTIFICATE OF MAILING BY FIRST CLASS MAIL (37 CFR 1.8)**

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to the: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on:

By: Jandia Wittup

#### INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

Pursuant to 37 C.F.R. §§ 1.97 and 1.98, applicant hereby submits an Information Disclosure Statement for consideration by the Examiner.

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### I. <u>LIST OF PATENTS, PUBLICATIONS OR OTHER INFORMATION</u>

The patents, publications or other information submitted for consideration by the Office are listed on PTO-1449, attached hereto.

#### II. <u>COPIES</u>

a. X Submitted herewith is a legible copy of (i) each U.S and foreign patent; (ii) each publication or that portion which caused it to be listed; and (iii) all other information or that portion which caused it to be listed.

#### \* Waiver

The Office hereby waives the requirement under 37 CFR 1.98 (a)(2)(i) for submitting a copy of each cited U.S. patent and each U.S. patent application publication for all U.S. national patent applications filed after June 30, 2003 and for all international applications that have entered the national stage under 35 USC § 371 after June 30, 2003. See 37 CFR 1.491(b).

#### III. CONCISE EXPLANATION OF THE RELEVANCE

(check at least one box)

| a. <u>X</u> | Except as may be indicated below in (b), all of the patents, publications or |
|-------------|--|
|             | other information are in the English language or were cited in an English    |
|             | language Search Report, a copy of which is attached hereto (concise          |
|             | explanation not required).   |
| b           | A concise explanation of the relevance of all patents, publications or other |
|             | information listed that is not in the English language is as follows:        |
| c           | The following additional information is provided for the Examiner's          |
|             | consideration:   |
|             |  |

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## **FEES**

| THIS IDS I   | S BEING FILED UNDER 37 C.F.R. § 1.97(b)  |
|--------------|--|
| (check one   | box)   |
| a            | within three months of the filing date of a national application (37 C.F.R.    |
|              | § 1.97(b) (1)). No fee or certification is required.                           |
| b            | within three months of the date of entry of the national stage as set forth in |
|              | §1.491 in an international application (37 C.F.R. § 1.97(b) (2)). No fee or    |
|              | certification is required.   |
| c. <u>X</u>  | before the mailing date of a first Action on the merits (37 C.F.R. § 1.97(b)   |
|              | (3)). No fee or certification is required. In the event that a first Office    |
|              | Action on the merits has been issued, please consider this IDS under 37        |
|              | C.F.R. § 1.97(c) and see the certification under 37 C.F.R. § 1.97(e)below,     |
|              | or, if no certification has been made, charge our deposit account a fee in     |
|              | the amount of \$180.00 as required by 37 C.F.R. § 1.17(p).                     |
| THE IDE I    |  |
|              | S BEING FILED UNDER 37 C.F.R. § 1.97(c):                                       |
| (check one   | box)   |
| before the n | nailing date of a Final Office Action under 37 C.F.R. § 1.113 (See 37 C.F.R. § |
| 1.97(c) (1)) | or before the mailing date of a Notice of Allowance under 37 C.F.R. § 1.311    |
| (See 37 C.F  | C.R. § 1.97(c) (2)).   |
| a            | No certification; therefore, a fee in the amount of \$180.00 is required by    |
|              | 37 C.F.R. § 1.17(p).   |
|              | or   |
| bX_          | See the certification below. No fee is required.                               |

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## VI. <u>CERTIFICATION UNDER 37 C.F.R. § 1.97(e)</u> (check <u>only</u> one box)

The undersigned hereby certifies that

No fee is required.

<u>X</u>

| a   | each item of information contained in the IDS was cited in a                 |
|-----|--|
|     | communication from a foreign Patent Office in a counterpart foreign          |
|     | application not more than three months prior to the filing of this IDS; or   |
| b   | no item of information contained in the IDS was cited in a communication     |
|     | from a foreign Patent Office in a counterpart foreign application or, to the |
|     | best of my knowledge after making reasonable inquiry, was known to any       |
|     | individual designated in 37 C.F.R. § 1.56(c) more than three months prior    |
|     | to the filing of this statement.   |
| c   | some of the items of information were cited in a communication from a        |
|     | foreign Patent Office. As to this information, the undersigned certifies     |
|     | that each item of information contained in the IDS was cited in a            |
|     | communication from a foreign Patent Office in a counterpart foreign          |
|     | application not more than three months prior to the filing of this IDS. As   |
|     | to the remaining information, the undersigned hereby certifies that no item  |
|     | of this remaining information contained in the IDS was cited in a            |
|     | communication from a foreign Patent Office in a counterpart foreign          |
|     | application or, to the best of my knowledge after making reasonable          |
|     | inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c)       |
|     | more than three months prior to the filing of this statement.                |
|     |  |
| ple | ease charge Deposit Account No. 50-0369 in the amount of \$180.00 for the    |
| ab  | ove-indicated fee. A triplicate copy of this paper is attached.              |
|     |  |

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# VII. THIS IDS IS BEING FILED UNDER 37 C.F.R. § 1.704(d) (PATENT TERM ADJUSTMENT)

| Applies to original   | applications (other than design) filed on or after May 29, 2000           |  |  |  |  |  |
|---|---|--|--|--|--|--|
| a   | Each item of information contained in the Information Disclosure          |  |  |  |  |  |
|   | Statement was cited in a communication from a foreign patent office in    |  |  |  |  |  |
|   | a counterpart application and this communication was not received by      |  |  |  |  |  |
|   | any individual designated in § 1.56(c) more than thirty days prior to the |  |  |  |  |  |
|   | filing of the Information Disclosure Statement.                           |  |  |  |  |  |
| b. <u>X</u>   | Enclosed herewith is form PTO-1449.                                       |  |  |  |  |  |
| c. <u>X</u>   | Copies of cited references are enclosed.                                  |  |  |  |  |  |
| d Copies of cited references are enclosed except those entered in |   |  |  |  |  |  |
|   | application filed on to which priority under 35                           |  |  |  |  |  |
|   | U.S.C. 120 is claimed. [The earlier application contains copies of the    |  |  |  |  |  |
|   | cited references.]  |  |  |  |  |  |
| e   | The listed references were cited in the enclosed International Search.    |  |  |  |  |  |
|   | Report in a counterpart foreign application.                              |  |  |  |  |  |
| f.  | The "concise explanation" requirement (non-English references) for        |  |  |  |  |  |
|   | reference under 37 CFR 1.98(a)(3) is satisfied by:                        |  |  |  |  |  |
|   | [ ] the explanation provided on the attached sheet.                       |  |  |  |  |  |
|   | [ ] the explanation provided in the Specification.                        |  |  |  |  |  |
|   | [ ] submission of the enclosed International Search Report.               |  |  |  |  |  |
|   | [ ] the enclosed English language abstract.                               |  |  |  |  |  |

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If the Examiner has any questions concerning this IDS, he/she is requested to contact the undersigned. If it is determined that this IDS has been filed under the wrong rule, the PTO is requested to consider this IDS under the proper rule (with a petition, if necessary) and charge the appropriate fee to Deposit Account No. 50-0369.

Date: 2 (1 05

Respectfully submitted

Mark A. Hofer, Reg. No.: 30,068

Attorney(s) for Applicant

Customer No. 21710

Brown Rudnick Berlack Israels LLP

One Financial Center, Box IP

Boston, MA 02111 Tel: (617) 856-8327 Fax: (617) 856-8201



| FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT |                    |                                | ATTY DOCKET NO.             | SERIAL NO.<br>10/807,800 |              |                         |
|--|--------------------|--------------------------------|-----------------------------|--------------------------|--------------|-------------------------|
|  |                    | 22918/7-CIP                    |                             |                          |              |                         |
|  |                    |                                | APPLICANT(S): Tucker et al. |                          |              |                         |
|  |                    | FILING DATE:<br>March 24, 2004 | , A                         | ART UNIT:<br>1634        |              |                         |
|  |                    | UNITED STATE                   | ES PATENT DOCUMENTS         |                          |              |                         |
| EXAM.<br>INITIAL                               | DOCUMENT<br>NUMBER | DATE                           | INVENTOR                    | CLASS                    | SUB<br>CLASS | FIL.<br>DATE IF<br>APPR |
| -  | 5,039,705          | Aug. 13, 1991                  | Keefer et al.               | 514                      | 611          |                         |
|  | 5,145,839          | Sep. 8, 1992                   | Beljanski                   | 514                      | 27           |                         |
|  | 5,155,137          | Oct. 13, 1992                  | Keefer et al.               | 514                      | 611          |                         |
|  | 5,208,233          | May 4, 1993                    | Keefer et al.               | 514                      | 231.8        |                         |
|  | 5,405,919          | April 11, 1995                 | Keefer et al.               | 525                      | 377          |                         |
| •  | 5,422,373          | June 6, 1995                   | Franzmann                   | 514                      | 598          |                         |
|  | 5,763,414          | June 9, 1998                   | Bok et al.                  | 514                      | 27           |                         |
|  | 5,877,009          | March 2, 1999                  | Zannis et al.               | 435                      | 320.1        |                         |
|  | 5,877,208          | March 2, 1999                  | Bok et al.                  | 514                      | 456          |                         |
|  | 5,973,011          | Oct. 26, 1999                  | Noack et al.                | 514                      | 742          |                         |
|  | 5,994,061          | Nov. 30, 1999                  | Tam et al.                  | 435                      | 6            |                         |
|  | 6,022,901          | Feb. 8, 2000                   | Goodman                     | 514                      | 733          |                         |
|  | 6,048,903          | April 11, 2000                 | Торро                       | 514                      | 733          |                         |
| - 11   | 6,080,780          | June 27, 2000                  | Paladini et al.             | 514                      | 456          |                         |
| 7.11   | 6,087,353          | July 11, 2000                  | Stewart et al.              | 514                      | 182          |                         |
|  | 6,096,364          | Aug. 1, 2000                   | Bok et al.                  | 426                      | 590          |                         |
|  | 6,103,733          | Aug. 15, 2000                  | Bachmann et al.             | 514                      | 277          |                         |
|  | 6,120,994          | Sep. 19, 2000                  | Tam                         | 435                      | 6            |                         |
|  | 6,133,241          | Oct. 17, 2000                  | Bok et al.                  | 514                      | 27           |                         |
|  | 6,133,311          | Oct. 17, 2000                  | Bok et al.                  | 514                      | 453          |                         |
| Examiner:                                      |                    |                                | Date:                       | - L                      |              |                         |

| FORM PTO-1449<br>INFORMATION DISCLOSURE STATEMENT |                    |                | ATTY DOCKET NO. 22918/7-CIP    | 10/807.800 |                   |                                       |
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|   |                    |                | APPLICANT(S): Tucker et al.    |            |                   | · · · · · · · · · · · · · · · · · · · |
|   |                    |                | FILING DATE:<br>March 24, 2004 | A          | ART UNIT:<br>1634 |                                       |
|   |                    | UNITED STATE   | ES PATENT DOCUMENTS            |            |                   |                                       |
| EXAM.<br>INITIAL                                  | DOCUMENT<br>NUMBER | DATE           | INVENTOR                       | CLASS      | SUB<br>CLASS      | FIL.<br>DATE IF<br>APPR               |
|   | 6,165,984          | Dec. 26, 2000  | Bok et al.                     | 514        | 27                |                                       |
|   | 6,165,998          | Dec. 26, 2000  | Wobbe et al.                   | 514        | 150               |                                       |
|   | 6,203,818          | March 20, 2001 | Vester                         | 424        | 569               |                                       |
|   | 6,211,247          | April 3, 2001  | Goodman                        | 514        | 733               |                                       |
|   | 6,221,357          | April 24, 2001 | Bok et al.                     | 424        | 195.1             |                                       |
| <i>'</i> •  | 6,232,336          | May 15, 2001   | Hrabie et al.                  | 514        | 402               |                                       |
|   | 6,414,037          | July 2, 2002   | Pezzuto et al.                 | 514        | 733               |                                       |
|   | 6,541,522          | April 1, 2003  | Inman et al.                   | 514        | 568               | 08/02/01                              |
|   | 6,548,548          | April 15, 2003 | Campbell et al.                | 514        | 617               | 12/06/01                              |
|   | 6,617,122          | Sep. 9, 2003   | Hayden et al.                  | 435        | 19                | 03/15/00                              |
|   | 6,753,346          | June 22, 2004  | Shinkai et al.                 | 514        | 489               | 05/22/02                              |
|   | 2001/0002264       | May 31, 2001   | Bok et al                      | 424        | 736               | 12/28/00                              |
|   | 2001/0006978       | July 5, 2001   | Bok et al.                     | 514        | 456               | 01/24/01                              |
|   | 2001/0014357       | Aug. 16, 2001  | Bok et al.                     | 424        | 736               | 02/12/01                              |
|   | 2001/0014669       | Aug. 16, 2001  | Bok et al.                     | 514        | 27                | 03/13/01                              |
|   | 2001/0055627       | Dec. 27, 2001  | Guthrie et al.                 | 424        | 736               | 01/12/00                              |
|   | 2003/0171429       | Sep. 11, 2003  | Chen et al.                    | 514        | 475               | 12/06/00                              |
|   | 2003/0199566       | Oct. 23, 2003  | Bok et al.                     | 514        | 397               | 12/04/02                              |
| Examiner:   |                    |                | Date:                          |            |                   |                                       |
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| FORM PTO-1449  | ATTY DO   | OCKET NO.           | SERIAL NO.                              |  |  |
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| INFORMATION DISCLOSURE STATEMENT   | 22918   | 8/7-CIP             | 10/807,800                              |  |  |
|  | APPLICANT(S):   | Tucker et al.       |   |  |  |
|  |   | G DATE:<br>24, 2004 | ART UNIT:<br><b>1634</b>                |  |  |
| OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)   |   |                     |   |  |  |
| Van Der Ouderaa et al., "Purification of PGH Synthase From Sheep Vesicular Glands", Methods Enzymology 86 (1982) |   |                     |   |  |  |
| Yang et al., "Activation of Human T Lymph  | Yang et al., "Activation of Human T Lymphocytes is Inhibited by Peroxisome Proliferator-Activated Receptor γ (PPAR γ) Agonists", J. Biol Chem 275(7) 4541-4544 (2000) |                     |   |  |  |
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